Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Original) A method for lawful interception of communication related information comprising:

selecting a location for intercepting a communication in a packet data network based at least in part on an event type;

detecting the occurrence of a predetermined event in said packet data network;

gathering communication relating information of said communication at said selected location in response to said detection of the occurrence of said event; and

transmitting said gathered communication related information to at least one law enforcement agency.

2. (Original) The method of claim 1, wherein said packet data network comprises a UMTS network.

3. (Original) The method of claim 1, wherein said interception is performed by a Surveillance Access Point (SAP).

4. (Original) The method of claim 1, wherein said selecting a location comprises intercepting said communication at a CSCF in said packet data network if the event is a call signaling event.

5. (Original) The method of claim 1, wherein said selecting a location comprises intercepting said communication at a serving node in said packet data network if the event is a path establishment or a path release.

6. (Original) The method of claim 5, wherein said serving node is selected from the group consisting of a SGSN and an E-SGSN.

7. (Original) The method of claim 1, wherein said selecting a location comprises intercepting said communication at a gateway node in said packet data network if the event is transmission of a packet.

8. (Original) The method of claim 7, wherein said gateway node is selected from the group consisting of a GGSN and an E-GGSN.

9. (Original) The method of claim 1, wherein said transmitting said gathered communication related information further comprises:

providing said gathered information to a delivery function;

formatting said gathered information by said delivery function into a format acceptable to said at least one law enforcement agency; and

forwarding said formatted information to said law enforcement agency.

10. (Original) The method of claim 9, wherein said delivery function utilizes a J-STD-025 interface.

11. (Original) The method of claim 3, wherein said transmitting said gathered communication related information comprises:

formatting said gathered information by said SAP into a report acceptable to said at least one law enforcement agency; and

providing said report to said law enforcement agency.

12. (Original) The method of claim 3, wherein said gathering communication related information includes gathering said communication related information based at least in part on said detected event.

13. (Original) The method of claim 12, wherein said gathered communication related information includes information related to call signaling.

14. (Original) The method of claim 12, wherein said gathered communication related information includes information related to path establishment or path release.

15. (Original) The method of claim 12, wherein said gathered communication related information includes packet information.

16. (Original) The method of claim 13, wherein said call signaling information includes information indicating the type of signaling, wherein said information is selected from the group consisting of H.323 and SIP.

17. (Original) The method of claim 14, wherein said path establishment information includes information indicating the status of a path between a mobile terminal and said packet network, wherein said information is selected from the group consisting of established and released.

18. (Original) The method of claim 15, wherein said packet information includes a source address and a destination address of a packet.

19. (Original) A method for lawful interception of communication related information, comprising:

detecting the occurrence of an event in a packet data network;

collecting communication related information of a communication in said packet data network in response to said detection of an event based at least in part on said detected event; and

providing said collected communication relating information to one or more law enforcement agencies.

20. (Original) The method of claim 19, wherein said packet data network includes a UMTS network.

21. (Original) The method of claim 19, wherein said detected event is a call signaling event and said collected communication related information includes information selected from the group consisting of H.323 and SIP, and information selected from the group consisting of a time stamp for the detection of the occurrence of said event, a session identifier, and an identifier of the type of the communication.

22. (Original) The method of claim 19, wherein said detected event is selected from the group consisting of the establishment of a path and release of a path, wherein said collected communication relating information includes a path related information, wherein said path related information is selected from the group consisting of path established and path released, wherein said collected information further includes information selected from the group consisting of a time stamp for the detection of the occurrence of said event, and a path identifier for said path.

23. (Original) The method of claim 19, wherein said detected event is transmission of a packet in said packet data network, wherein said packet includes a payload and a network layer, and wherein said collected communication related information includes information selected from the group consisting of source address of said packet and a destination address of said packet.

24. (Original) The method of claim 23, wherein said information further includes information selected from the group consisting of a path identifier for a path utilized for said transmission of said packet and an address of a network service to which said packet is delivered prior to being delivered to said destination address.

25. (Original) The method of claim 19, wherein said providing comprises:

providing said collected information to a delivery function;

formatting said collected information by said delivery function into a format acceptable to said one or more law enforcement agencies; and

providing said formatted information to said one or more law enforcement agencies.

26. (Original) A system for lawful interception of communication related information, comprising:

means for detecting the occurrence of an event in a packet data network;

means for collecting communication related information of a communication in said packet data network in response to said detection of an event based on said detected event; and

means for providing said collected information to one or more law enforcement agencies.

27. (Original) A system for lawful interception of communication related information, comprising:

a base station for receiving an event from an intercept device in a packet mode data network;

a node operable to communicate with said base station; and

a surveillance access point (SAP) operable to communicate with said node, wherein said SAP intercepts a communication upon the detection of said event in said packet mode data network, and wherein said SAP gathers communication related information of said intercepted communication and provides said gathered information to a law enforcement agency.

28. (Original) The system of claim 27, wherein said base station is a Radio Access Network.

29. (Original) The system of claim 27, wherein said intercept device is a mobile terminal selected from the group consisting of a wireless phone, a personal digital assistant, and a pager.

30. (Original) The system of claim 27, wherein said node is a serving node.

31. (Original) The system of claim 27, wherein said node is a SGSN.

32. (Original) The system of claim 27, wherein said SAP is part of a node selected from the group consisting of a serving node and a gateway node.

33. (Original) The system of claim 27, wherein said SAP is part of a node selected from the group consisting of a serving GPRS support node, an extended serving GPRS support node, a gateway GPRS support node, and an extended gateway GPRS support node.

34. (Original) The system of claim 27, wherein said gathered communication related information includes information about the initiation of a call setup by said intercept device.

35. (Original) The system of claim 27, wherein said gathered communication related information includes information about the initiation of a session setup by said intercept device.

36. (Original) The system of claim 27, wherein said gathered communication related information includes information about the establishment of a communication path between said intercept device and a network service.

37. (Original) The system of claim 27, wherein said gathered communication related information includes information about the release of a communication path between said intercept device and a network service.

38. (Original) The system of claim 27, wherein said gathered communication related information includes the destination address of a packet transmitted over a communication path between said intercept device and a network service.

39. (Original) The system of claim 38, wherein said destination address is the address of said network service.

40. (Original) The system of claim 38, wherein said destination address is the address of another device associated with said network service and said gathered information further includes an address of said network service, wherein said packet is delivered to said another device via said network service.

41. (Original) The system of claim 38, wherein said network service is associated with an Internet Service Provider (ISP).

42. (Original) The system of claim 38, wherein said destination address is the address of an associate device.